PCB SAMPLING AND ANALYSIS PROCEDURES

This enclosure provides the protocols and procedures for a PCB Sampling and Analysis Survey prior to any non-federal agency transfer. The PCB Inventory Survey required by INACTSHIPOFFINST 4770.3 differs from the PCB Sampling and Analysis Survey in that only known transformers and capacitors containing dielectric fluid are listed and labeled. The PCB Sampling and Analysis Survey examines applications of solid materials (i.e., electrical cabling, ventilation gaskets, double-backed adhesive tape, rubber applications, aluminized paint, bulkhead insulation, etc.) as well as oil and grease that potentially contain PCBs.

A PCB Sampling and Analysis Survey, if required, will be in accordance with the protocols listed in NAVSEA PCB Advisory 95-1.

If the vessel cannot be certified PCB free, then a PCB Sampling and Analysis Survey is required. Laboratories are required to be certified to use Environmental Protection Agency (EPA) Manual SW846, Method 8082, Polychlorinated Biphenyls (PCBs) by Gas chromatography and use source extraction for solid and oil samples.

The analysis shall include Aroclor's PCB-1262 and PCB-1268 in addition to those Aroclors required by EPA Manual SW846. Minimum detection levels shall be set no greater than five (5) parts per million. Copies of the report should be provided to this office, Naval Sea Systems Command (NAVSEA), PMS 333, 1333 Isaac Hull Avenue SE, Stop 2101, Washington Navy Yard, DC 20376-2101 and Director, Naval Sea Systems Command, Inactive Ships Management Office, Building 8Y, St. Juliens Creek Annex, Portsmouth, VA 23702-5002.

YC/YFNs, if unmodified, do not normally require a PCB Sampling and Analysis Survey because it is doubtful that PCBs were used in their construction. A certification can therefore be made by the custodian that the YC/YFN has not been modified and that PCB containing/contaminated items or fluids were not used or stored on the vessel. That certification can be in the form of the one on page (4) of this enclosure, signed by the custodian's commanding officer. Submission of the certification will waive the requirement for the PCB Sampling and Analysis Survey and is applicable to YC/YFNs only.

The data obtained from the PCB Sampling and Analysis Survey provides a statistical determination of regulated concentrations of PCBs on board the vessel and provides a decision basis as to

whether the vessel can be transferred/sold for reuse or must be restricted to scrapping only. If no interested parties are available through the GSA screening period, the resultant PCB Sampling and Analysis Survey report is included in the DLA Disposition Services, Battle Creek, MI, sales catalog in order to provide full notice to potential purchasers of the Navy's knowledge of the existence of PCB items and potential PCB items on board the vessel.

Samples are to be extracted so that no cross contamination occurs. No plastic containing items such as bottles, tubes, etc., are allowed. Only glass collection equipment is permitted. Report Aroclor for all samples in the analysis report.

Destructive sampling is permitted on stricken ships designated for disposal. Non-destructive sampling should be conducted on vessels designated for continued service.

PMS 333 point of contact is Gary Kitchen, DSN 326-0682 or commercial (202) 781-0682. NAVSEA Inactive Ships Management Office, Portsmouth, VA, point of contact is Raymond Dahlke, DSN 961-6381, ext 310, or commercial (757) 485-6381, ext 310.

Twenty (20) each electrical cable samples consisting of a slice from the outer rubber/plastic insulation. Avoid possible lube oil contamination or paint on the cable. Samples should be taken from various cable types/sizes throughout the ship and be labeled for later positive identification. Identify the type of cable or application in the analysis report as to the specification, manufacturer, date manufactured, size, and color.

Ten (10) each ventilation duct flange gasket samples, taken randomly throughout the ship. Identify whether gasket material is wool felt or rubber material.

Five (5) oil and five (5) grease samples, consisting of fuel, lube, hydraulic oil and/or grease.

Five (5) each of rubber applications. Applications may be isolation shock mounts for electronic equipment, pipe hanger liners, electrical channel rubber, foundation mounts, pipe block hangers and/or other rubber application (except vent gaskets).

Five (5) each double-backed adhesive tape, commonly used to mount compartment check-off list holders to bulkheads or for label plates. Indicate type and color (i.e., black rubber, white, etc.) of adhesive tape and where sampled (i.e., back of compartment plate, etc.).

Five (5) samples of aluminized paint from boiler or steam piping.

Five (5) samples of bulkhead insulation. Identify type as to specification, class (i.e., anti-sweat, etc.), and color in analysis report.

Quality Control Samples to ensure that the chemicals used for extraction are valid and no cross contamination has occurred.

Wipe samples are not allowed. However, if surveyor finds an opened vent duct, take a wipe sample of the flange face and the interior duct surface within six inches of the flange. Sample vent gasket material if available and correlate results in analysis report.

<Insert Command Name>
<Insert Street address>
<Insert City, State, Zip Code>

<Inter Standard Subject Identification Code (SSIC)>
<Insert Serial number>
<Insert Day Month Year>

From: <Title of activity head, name of activity, location >
To: Commander, Naval Sea Systems Command, (PMS 333), 1333 Isaac Hull Avenue, Washington Navy Yard, DC 20376-2101

Subj: CERTIFICATION

1. The (YC/YFN) is unmodified.

2. There are no asbestos containing materials, radiological/ radioactive materials aboard ex-<name> <hull type-number>.

3. There are no transformers or capacitors aboard ex-<name> <hull type-number>.

4. There are no electrical cables, ventilation ducts, bulkhead insulation or other applications identified in enclosure (1) on board ex-<name> <hull type-number>.

5. Polychlorinated Biphenyls (PCBs) or hazardous materials/waste have not been stored or used aboard ex-<name> <hull type-number>.

<Commanding Officer Signature>
<Title>

Copy to:
<Title of activity head, name of activity, location >
<Title of activity head, name of activity, Code XXX, city, state, ZIP+4>

(3) Telephone number:

(4) Email Address:

c. The _____ is available for inspection by appointment only, Monday through Friday, excluding holidays, between the hours of _____ and _____. Appointments must be made _____ (hours, days, etc.) in advance.

d. It is the opinion of the custodian that the hull of _____ is in (excellent/good/fair/poor) condition. It is recommended that prospective bidders inspect the hull and make their own determination of the suitability of this vessel for usage or tow. Ex-<name> <hull type-number> is to be sold "as is where is" and the buyer is responsible for all arrangements, labor and expenses for the removal.

(1) Builder:
(2) Date Constructed:
(3) Dimensions:
(4) Current Displacement:
(5) Draft:
(6) Vessel Metallurgical Description:
(7) Detailed Vessel Description:

e. The vessel has been declassified in accordance with reference (c). The vessel's hull numbers have been obliterated.

2. The following is provided.

a. Enclosure (1) provides the compartment by compartment tabulation of the vessel's interior denoting the presence and condition of asbestos containing materials (ACMs). This tabulation is a visual survey based on the best available knowledge of the inspector and is not a characterization of the quantity or location of ACMs on board.

b. Enclosure (2) provides the list of all known low-level radioactive items, including smoke detectors, identified on the vessel. Include in the sale catalog that naturally occurring radium (i.e., fire brick, terrazzo deck, porcelain, etc.) remains on board.

c. Enclosure (3) provides the list of all known transformers and capacitors potentially containing regulated polychlorinated biphenyl (PCB).

d. Enclosure (4) provides the PCB Sampling and Analysis Survey Report that identifies solid applications (i.e.,

electrical cable, bulkhead insulation, ventilation gaskets, aluminized paints, etc) that potentially contains regulated amounts of PCBs. This survey was accomplished per the requirements of reference (e).

e. Enclosure (5) provides declassification of the following available documentation: (List those that are available and declassified):

(1) Booklet of General Plans
(2) Damage Control Book and Plates
(3) Tank Conversion Tables
(4) Docking Plans
(5) Paint Schedule Information

f. Water, fuel, and lube oil tanks have been sounded and fluids and levels identified as shown in enclosure (6). The amount and type of any fixed ballast remaining on board is also shown in enclosure (6).

g. Enclosure (7) provides the mercury inventory survey report. The survey includes applications such as temperature gages, switches, and whether florescent light bulbs are on board. This is a visual survey that is based on the best available knowledge of the inspector.

h. Enclosure (8) provides the list of refrigerating systems remaining on board.

i. Enclosure (9) provides the Final Walk-Through Inspection.

j. Enclosure (10) provides digital photographs of the vessel that were taken on _____ by _____.

3. The _____ is ready in all respects for sale.

<Site Director or Custodian Signature>

Subj: DISPOSAL REPORTING LETTER FOR EX-<name> <hull type-number>

Copy to:
Commander, Naval Sea Systems Command, (PMS 333), 1333 Isaac Hull Avenue, Washington Navy Yard, DC 20376-2101
Director, Naval Sea Systems Command, Inactive Ships Management Office, Bldg. 8Y, St. Juliens Creek, Portsmouth, VA 23702-5002
[Choose appropriate NAVSEA INACTSHIPMAINTO below.]
Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, 4701 16th Street, Bldg. 545; Naval Business Center; Philadelphia, PA 19112-5095
Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, 2450 Wycoff Way, Bldg. 550, Bremerton, WA 98314-5250
Director, Naval Sea Systems Command, Inactive Ships On-Site Maintenance Office, 93051 Waipio Point Access Road, Waipahu, HI 96797-3272
<Other appropriate addressees>